

SEQ. ID. NO.:1

GAGACTGCAGCAGAATATGTAAAATCTCGACTCCCAGAGGCTCTTAAGC
AGCACCTTCAGGATTATGAGAAGGACAAAGAAAACAGTGTTCAGACCTA
CCAGACCATCCTCGAGCAGCAGATCTTGTCAATTGACCGGGAAATGCTG
GAAAAGTTGACAGTCTCCTATGATGAAGCAGGCACAACGTGTTTGATCS
CTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTTGGTGACTCTCG
GGGAGTCTTGTGTGACAAAGATGGCAATGCCATCCCCTTGTCTCACGAT
CACAAGCCTTACCAGCTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTG
GGTTCATCAGCTTTAATGGCTCCTGGAGGGTCCAGGGAATCCTAGCCAT
GTCTCGATCCCTGGGAGACTATCCACTGAAAAATCTCAACGTGGTCATC
CCAGACCCAGACATCTTGACCTTTGACCTGGACAAGCTGCAGCCGGAGT
TCATGATCTTGGCCTCAGATGGCCTGTGGGATGCTTTCAGCAATGAAGA
AGCGGTTTCGATTTCATCAAGGAGCGCTTGGATGAGCCCCACTTTGGGGCC
AAAAGCATCGTCCTGTCAGTCCTTTTACAGAGGCTGCCCTGACAACATCA
CTGTCATGGTGGTGAAGTTCAGGAATAGTAGCAAAACAGAAGAGCACTG
AACCCTGCCAGATCTCAGCTGCCCCAACTAGAGGACTCTCAACATACT
GTTCTCTTCATGTAGTAAAAGGTGTGGGTATAATTAGGATCATGCGTCC
CAACACAGAACCCCCTTCCCTGATGGCCTTGAATCCCTTTGGAGTACTG
AGCAGAGGGTTGGTTCCTTGCTGACACCGCAGAGGCTGCTAAGTTTGT
GTCCCCCAGCCCTTCTATCAGTGTGTTGAAACACATACGTAGGTAGCCA
CAGATCCCACATATGAGGCAAAGGAAAGGCAGGCCATATGTTTTCTTC
TTAATAATGTACTTTT

SEQ. ID. NO.:2

ETAAEYVKSRLPEALKQHLQDYEKDKENSVLTYQTILEQQILSIDREML
EKLTVSYDEAGTTCLIXLLSDKDLTVANVGDSRGVLCDDKGNAPLSHD
HKPYQLKERKRIKRAGGFISFNQSWRVQGILAMSRSLGDYPLKNLNVVI
PDPDILTFDLKLQPEFMILASDGLWDAFSNEEAVRFIKERLDEPHFGA
KSIVLQSFYRGCPDNITVMVVKFRNSSKTEEH

FIGURE 1

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

GAGACTGCAGCAGAATATGTAAAATCTCGACTCCCAGAGGCTCTTAAGCAGCACCTTCAG
GATTATGAGAAGGACAAAGAAAACAGTGTTCTGACCTACCAGACCATCCTCGAGCAGCAG
ATCTTGTCAATTGACCGGGAAATGCTGGAAAAGTTGACAGTCTCCTATGATGAAGCAGGC
ACAACGTGTTTGATCSCTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTTGGTGAC
TCTCGGGGAGTCTTGTGTGACAAAGATGGCAATGCCATCCCCTTGTCTCACGATCACAAAG
CCTTACCAGCTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTGGGTT**CATCAGCTTTAAT**
GGCTCCTGGAGGGTCCAGGGAATCCTAGCCATGTCTCGATCCCTGGGAGACTATCCACTG
AAAAATCTCAACGTGGTCATCCCAGACCCAGACATCTTGACCTTTGACCTGGACAAGCTG
CAGCCGGAGTTCATGATCTTGGCCTCAGATGGCCTGTGGGATGCTTTCAGCAATGAAGA
AGCGGTTTCGATTTCATCAAGGAGCGCTTGGATGAGCCCCACTTTGGGGCCAAAAGCATCGT
CCTGCAGTCCTTTTACAGAGGCTGCCCTGACAACATCACTGTCTGCTGGTGGTGAAGTTCAG
GAATAGTAGCAAAACAGAAGAGCACTGAACCCTGCCAGATCTCAGCTGCCCCAAACTAGA
GGACTCTCAACATACTGTTCTCTTCATGTAGTAAAAGGTGTGGGTATAATTAGGATCATG
CGTCCCAACACAGAACCCCTTCCCTGATGGCCTTGAATCCCTTTGGAGTACTGAGCAGA
GGGTTGGTTCCTTGCTGACACCGCAGAGGCTGCTAAGTTTGTGTCCCCCAGCCCTTCT
ATCAGTGTTTGAAACACATACGTAGGTAGCCACAGATCCCACATATGAGGCAAAGGAAAG
GCAGGCCATATGTTTTCTTCTTAATAATGTACTTTT

FIGURE 2A